

DEFENSE LOGISTICS AGENCY

AMERICA'S COMBAT LOGISTICS SUPPORT AGENCY

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DoD DMSMS Certificate Program:

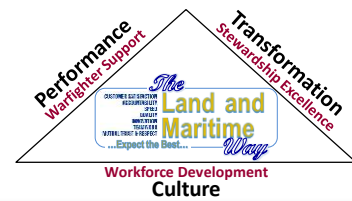
Establishing a Qualified DMSMS Workforce

Mr. Mitchell Canty
2011 DMSMS and Standardization Conference

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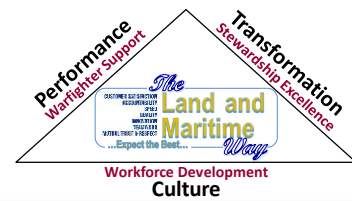
Agenda



- Defining the Problem:
 - Why Proactive DMSMS is Important?
- Why We Need a DoD DMSMS Certificate Program:
 - Where DMSMS occurs
 - Negative Effects of DMSMS
- DoD DMSMS Certificate Program: Goals and Objectives
- Program's Target Audience
- Defense Acquisition University (DAU)
- DoD DMSMS Certificate Program Outline:
 - Level 1
 - Level 2
- Remaining issues
- Conclusions



Defining the Problem



What is Diminishing Manufacturing Sources and Material Shortages (DMSMS)?

- “DMSMS is:
“...loss or impending loss of manufacturers ... or suppliers of items that endanger a weapon system's ... support capability.”
- The DoD Requirement (*DOD 4140.1-R*):
“DoD Components shall proactively take ... actions to identify and minimize the DMSMS impact on weapon system’s ... logistics support efforts.”
- DMSMS and Obsolescence are terms used interchangeably even though there is “technically” a difference.



Why Proactive DMSMS is Important?

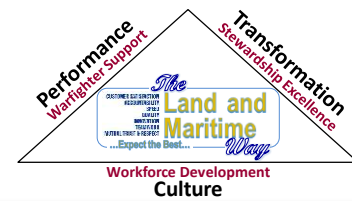


Where DMSMS Occurs

- Diminishing Manufacturing Sources and Material Shortages (DMSMS) is an ongoing and growing problem facing the world, and not just DoD weapons systems sustainability.
- DMSMS problems occur more frequently in electronic components, but DMSMS affects all material categories.
- DMSMS can occur in any phase of a program's life cycle, and is not limited to weapons systems.



Why Proactive DMSMS is Important?



Negative Effects of DMSMS:

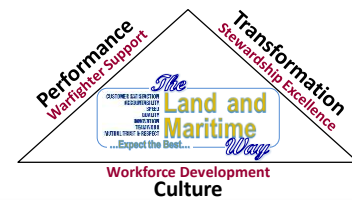
- DMSMS issues increase costs (alternate parts, redesign, downtime, etc.)
- Reactive DMSMS mitigation demands emergent mobilization of Logistics and engineering/technical efforts to find suppliers or redesign parts to resolve the shortage.
- Allowing DMSMS situations to manifest will increase problems and be costly.

Proactive DMSMS:

- Proactive DMSMS programs increase war fighter readiness, decrease costs and reduce weapon system downtime.
- Training and education will help minimize DMSMS issues



Why We Need a DoD DMSMS Certificate Program?



- Current and continuing loss of DMSMS knowledge base
- Lack of experienced or trained DMSMS personnel and support
- Not enough human resources available to assign to all DMSMS duties
- Proactive DMSMS knowledge is needed at all levels:
 - Working level DMSMS personnel
 - DMSMS Managers with DMSMS knowledge gaps
 - Personnel not working directly in the DMSMS community
 - Related functions to DMSMS activities (procurement, finance, engineering, etc.).
- Incentive to encourage individuals to increase DMSMS industry participants
- To compliment the Service's certification programs (not a replacement or in conflict)



DoD DMSMS Certificate Program: Goals and Objectives



- Provide a basic understanding of DMSMS processes and procedures to establish and maintain a proactive DMSMS program.
- Provide an incentive and recognition for individual efforts in developing DMSMS knowledge and capabilities.
- Ensure individuals are appropriately qualified to accomplish basic proactive DMSMS efforts.
- Coordinate efforts with Defense Acquisition University (DAU) for consistency, guidance and designated coursework.
- Recognition and incentive to increase DMSMS industry participants.
- Compliment, not replace or be in conflict with any Services' DMSMS certification programs.
- Program designed to “encourage” vs. “discourage” participation in DMSMS industry.



Program's Target Audience



New DoD and industry DMSMS personnel:

- Quickly increased basic knowledge of new individuals within the DMSMS community
- Will not replace “hands-on” experience, but will teach proactive DMSMS processes and procedures to help achieve competence earlier
- Provides an incentive to develop knowledgebase quickly
- Provide the recognition some need to fulfill self satisfaction, and to encourage vs. discourage new DMSMS participants.

Existing DMSMS community personnel:

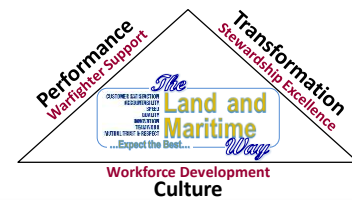
- Help to “round out” knowledge base gaps
- Limited function DMSMS personnel.

DMSMS managers/decision makers without sufficient DMSMS knowledge:

- Managers/decision makers promoted into position without sufficient knowledge or understanding of DMSMS processes or procedures
- Global managers/decision makers for which DMSMS is only a part of their responsibility, and who lack sufficient knowledge or understanding of DMSMS processes or procedures.



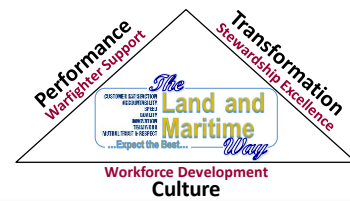
Defense Acquisition University (DAU)



- Program is based on existing DAU courses:
 - Courses will be on-line DAU curriculum
 - Related courses available for additional learning opportunities
 - DMSMS Knowledge Sharing Portal (DKSP) will be sponsored through DAU
- All existing or proposed Service's Certification Programs include DAU courses
- DAU is in “the business” of providing knowledge based “learning” programs
- DAU has expressed interest in a “Certificate” style program to compliment existing Certification programs
- DAU's interest after 1 or 2 years of implementation and demonstrated success by DoD
- Initial Certificate to be provided by the DoD DMSMS Working Group



DoD DMSMS Certificate Program Outline



Level I

Required Courses

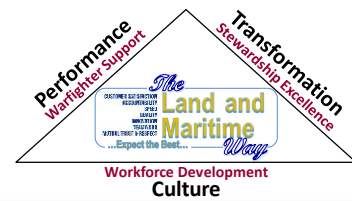
- DAU CLL 201 - DMSMS Fundamentals
- DAU CLL 203 - DMSMS Essentials
- DAU CLL 032 - Preventing Counterfeit Parts from Entering the DoD Supply System
- DAU CLE 028 - Market Research for Tech. Professionals
- DAU CLM 021 - Intro. To Reducing Total Ownership Costs
- DAU LOG 104 - Sustainment Management Fundamentals
- DAU SYS 101 - Fundamentals of Systems Engineering

Course Training Objective

- 1) Provide a basic understanding of DMSMS principles, fundamentals and practices
- 2) Knowledge of the process and procedures to establish and maintain a proactive DMSMS Management Program
- 3) Not expected to be proficient in conducting DMSMS efforts, but understands the basic needs and cost mechanisms of a proactive DMSMS program
- 4) Provides basic understanding of functions related to DMSMS



DoD DMSMS Certificate Program Outline



Level I

Suggested Training & Reading

- DoD 4140.1-R, "DoD Supply Chain Management Regulation," 2003
- DoD DMSMS SD-22 Guidebook
- DoD Directive 5000.1; "The Defense Acquisition System," 2003
- SAE AS5553 – Counterfeit Electronic Parts: Avoidance, Detection, Mitigation and Disposition
- Total Life Cycle System Management (TLCSM), "Plan of Action and Milestones," 2003
- Performance Based Logistics (PBL): "A Program Manager's Product Support Guide," 2004

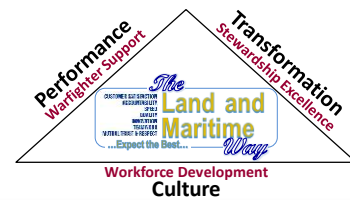
Bachelor's Degree (desired)

1 Year Experience Related to DMSMS functions and activities

Note: Level I Program is directed to provide an individual a basic understanding of the processes and procedures associated with the implementation and Management of a proactive DMSMS management program.



DoD DMSMS Certificate Program Outline



Level II

Required Courses

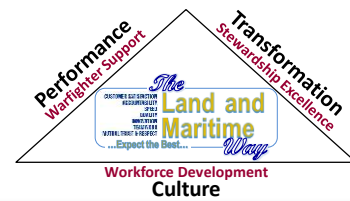
- DAU CLL 204 - DMSMS Case Studies
- DAU CLL 205 - DMSMS For the Tech. Professional
- DAU CLL 015 - Business Case Analysis
- DAU CLL 020 - Independent Logistics Assessments
- DAU LOG 103 - Reliability, Availability and Maintainability
- DAU ACQ 101 - Acquisition Fundamentals
- DAU LOG 235 - Performance Based Logistics

Course Training Objective

- 1) Provide an increased understanding of DMSMS principles, fundamentals and practices which can translate into a working knowledge base.
- 2) Increase knowledge of logistics and acquisition principles needed for a proactive DMSMS Management Program.
- 3) Provides knowledge to handle proactive DMSMS case issue with assistance.
- 4) Provides DMSMS understanding for conducting, explaining and defending DMSMS analysis and functions.



DoD DMSMS Certificate Program Outline



Level II

Suggested Training & Reading

- DoD Instruction 5000.2, "Operation of the Defense Acquisition System," 2003
- DAU CLM 017 - "Risk Management" course
- Statement of Work (SOW) Preparation course
- DMEA Program Managers Handbook: Common Practices to Mitigate the Risk of Obsolescence (online version, visit <http://www.dmea.osd.mil>)
- DMEA DMSMS Acquisition Guidelines: Implementing Parts Obsolescence Management Contractual Requirements (online version, visit <http://www.dmea.osd.mil>)
- Defense Acquisition Guidebook (DAG)

Level I DoD DMSMS Certificate

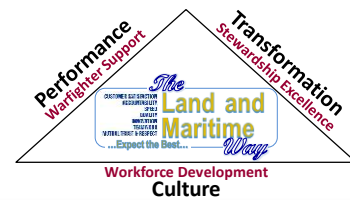
Bachelor's Degree (desired)

2 Years Performing DMSMS Related Functions

Note: Level II Program is directed at providing an individual an expanded Level I knowledge base, as well as the capability of explaining and defending the processes and procedures of a proactive DMSMS management program.



Conclusion



- DMSMS issues are a known and on-going problem for DoD weapons systems sustainability, and occurs at all phases of a program's life cycle.
- Proactive DMSMS management increases warfighter readiness, decreases costs and reduces weapons systems downtime.
- Current and continued loss of DMSMS knowledge base, and lack of experienced or trained personnel is a critical problem.
- A DoD DMSMS Certificate Program can:
 - Provide needed knowledge and training to existing DoD DMSMS personnel
 - Provide recognition and incentive to individuals to increase DMSMS capabilities
 - To “encourage” vs. “discourage” participation in the DMSMS industry
 - Provide proactive DMSMS management knowledge and understanding to those in functions related to DMSMS
 - Provide proactive DMSMS management knowledge and understanding to managers/decision makers without sufficient DMSMS background
 - To compliment certification programs provided by the Services